

AMENDMENTS TO THE CLAIMS

1. (Original) A binary refrigeration unit comprising:
a refrigerant condensation section of a low-temperature side refrigerant circuit, and a refrigerant evaporation section of a high-temperature side refrigerant circuit disposed side by side with the refrigerant condensation section of the low-temperature side refrigerant circuit, the refrigerant condensation section of the low-temperature side refrigerant circuit being cooled by cold generated at the refrigerant evaporation section of the high-temperature side refrigerant circuit to condense a refrigerant of the low-temperature side refrigerant circuit at the refrigerant condensation section, wherein:
a refrigerant tank is connected to a low-pressure side of the high-temperature side refrigerant circuit through a connecting pipe equipped with pressure reduction means.
2. (Original) The binary refrigeration unit according to claim 1,
wherein a sum of an internal volume of the refrigerant tank and an internal volume of a duct from the pressure reduction means to the refrigerant tank is in a range of 30% to 75% of the entire high-temperature side refrigerant circuit.
3. (Original) A binary refrigeration unit comprising:
a refrigerant condensation section of a low-temperature side refrigerant circuit, and a refrigerant evaporation section of a high-temperature side refrigerant circuit disposed side by side with the refrigerant condensation section of the low-temperature side refrigerant circuit, the refrigerant condensation section of the low-temperature side refrigerant circuit being cooled by cold generated at the refrigerant evaporation section of the high-temperature side refrigerant circuit to condense a refrigerant of the low-temperature side refrigerant circuit at the refrigerant condensation section, wherein:
a refrigerant tank is connected to a low-pressure side of the high-temperature side refrigerant circuit through a connecting pipe equipped with pressure reduction means; and a

high-pressure side of the high-temperature side refrigerant circuit and the refrigerant tank are connected to each other through a bypass pipe equipped with opening/closing means.

4. (Original) The binary refrigeration unit according to claim 3, further comprising:
control means for opening the opening/closing means of the bypass pipe at the time of starting a compressor disposed in the high-temperature side refrigerant circuit, and for closing the opening/closing means after passage of predetermined time or detection of a preset value of a physical amount.
5. (Original) The binary refrigeration unit according to claim 3 or 4, further comprising:
control means for opening the opening/closing means of the bypass pipe at the time of stopping the compressor disposed in the high-temperature side refrigerant circuit, and for closing the opening/closing means after passage of predetermined time from a start of the compressor or detection of a preset value of a physical amount.
6. (Original) A binary refrigeration unit in which a refrigerant condensation section of a low-temperature side refrigerant circuit and a refrigerant evaporation section of a high-temperature side refrigerant circuit housed in a case are disposed side by side; and the refrigerant condensation section of the low-temperature side refrigerant circuit is cooled by cold generated at the refrigerant evaporation section of the high-temperature side refrigerant circuit to condense a refrigerant of the low-temperature side refrigerant circuit at the refrigerant condensation section,
the binary refrigeration unit comprising:
a high-temperature side refrigerant tank connected to a low-pressure side of the high-temperature side refrigerant circuit through pressure reduction means; and
a low-temperature side refrigerant tank connected to a low-pressure side of the low-temperature side refrigerant circuit through pressure reduction means,
wherein one refrigerant tank is installed in the case; and the other refrigerant tank is attached to a backside of the case.

wherein the low-temperature side refrigerant tank is installed in the case; and the high-temperature side refrigerant tank is attached to the backside of the case.

11. (Currently amended) The binary refrigeration unit according to any one of claims 6 to 10 8, wherein a wall abutting member whose rear end is positioned in the rear of the refrigerant tank attached to the backside of the case is attached to the backside of the case.